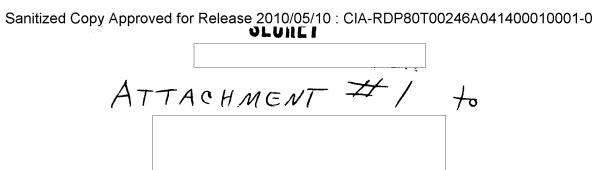
INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	USSR (RSFSR,	Ukrainian SSR)	REPORT		
SUBJECT	2. Descript of Stali	ngrad Construction Enginee	NO. PAGES	28 March 1958	25 X 1
DATE OF INFO. PLACE & DATE ACC		EVALUATIONS ARE DEFINITIVE. A	PPRAISAL OF CONTENT	ENCLOSURE ATTACHEL PLEASE ROUTE IS TENTATIVE.	
	A report on Leningrad Con	the Kalinin Pump Factory instruction Engineering Ins	n Moscow, the cit	y of Stalino, and the	
		ustruction Engineering Ths	titute		36:
	Attachments:	nstruction Engineering ins	titute	2	60
	taining a	age report on the Kalinin a description of the plant tle detail on the product.	Centrifugal Pump	Factory in Moscow, con-	
	1. A four-p taining very lit 2. A two-pa descript:	age report on the Kalinin a description of the plant	Centrifugal Pump layout, function	Factory in Moscow, con- , and procedure, with SSR, containing a brief	60
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The factory was located in Moscow on SELIAMKA No. 13, Oblast of MOSCOW - RAYON KIROVSKI, a well-known factory in existence before the Revolution, then known under its founder's name _______ It was under the jurisdiction of the Ministry of Machine Construction.

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Installations:

Two large, brick two-story buildings, each approximately 200 x 50 meters laid out as follows:

First Building: The first floor contained the standard-parts shop, a warehouse and the pump-assembly shop.

On the second floor were the following shops: a foundry and three machine shops which produced small medium and large size parts for the centrifugal pumps.

Second Building: First floor - On the first floor were the casting models warehouse, the shipping stock warehouse and packing sections, the factory dining room and the factory electric shop.

Second floor - The carpentry shop was on the second floor.

Third Building: This was the foundry and was considered a separate building, although it was connected with the other two buildings mentioned above.

Fourth Building: This was a two-story brick building 100 x 40 meters, about 100 meters from the above-mentioned buildings used as a center for recreational, cultural, union, and political activities. It contained the following:

First floor - Consisted of an auditorium and entrance hall. The auditorium was used for plays, meetings and speeches.

Second floor:- Contained six rooms used for the following activities: sports, recreation, KOMSOMOL, Union and party functions, editorial office for the factory's newspaper (called "KALININESH"), and a library with technical and cultural books.

Fifth Building: At the factory entrance there was another three-story building where the administrative offices were located. The building was laid out in the following manner:

First floor - On the first floor were the Records and Cashier Section, the office of the Chief of Records with his assistants and the office of the Personnel Manager.

Second floor - Offices of the Factory Director and the Factory Manager.

Third floor - Technical section, Bookkeeping Office, Personnel Office and the Office of the Chief of Technical Control.

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The Large-Size Parts Shop - There were ten lathes, three vertical lathes and seven from the Soviet "Krasni Proletari" factory. milling machines, (one vertical and one horizontal) were of Soviet make. Two big planers

drills, a small drill and an axle grinder. This shop made the large size parts for the centrifugal pumps.

The factory had available for transportation six latton Zis trucks plus three extra trailers used in hauling iron to the foundry. On the 20th of each month, the Zis trucks transported about 500 pumps from the factory to the railroad station in accordance with the Ministry of Machine Construction plan. The pumps were hauled from shop to shop within the factory by five or six mechanically worked "Autocars". Women workers known as (Raspredielitiel) collected and distributed the parts.

Warehouses:

Warehouse for wooden models - The wooden models made at the carpentry shop were kept here and delivered to the foundry when needed.

General warehouse - The pumps were stored here until they were shipped out of Electric motors for some of the pumps which were received on orders from the Ministry of Electricity were also stored here.

Purchasing Department - purchased the necessary supply of materials and parts.

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Electric Motors for Pumps:

Electric motors for pumps came from an unidentified factory. These motors were fitted in the pumps in the machine shops. The kilowatt power varied according to the size of the pumps - - the largest motor had about a 20 kw. potentiality.

Carpentry Shop:

Made the wood models of parts cast in the foundry and the boxes in which the pumps were packed for shipping.

Assembly and Packing Shop:

This shop was connected physically with the machine shop. The centrifugal pumps were assembled here, metal trade-mark plates bearing the name of the "Kalinin" factory were attached, and the pumps were sent to the warehouse for packing in the above-mentioned wooden boxes.

Power used in the plant:

Electric power, regulated by a transformer, was used exclusively for the automatic operation of the factory. The electrical installations were serviced by the electrical shop. The fuel used in the factory was coke from the mines in the Moscow region. The number of deliveries and quantities received was unknown. Its quality was excellent and there was always a reserve.

Water Supply:

The water supply came from the regular city supply.

Production:

The factory produced monthly about 500 centrifugal pumps of various sizes. The pumps weighed from 50 to 500 kilos.

Factory Management's Function: The administrations function was to prepare the operational plans for production, suggestions for increasing and bettering production, control of technological processes and general advice. In the quality control section the parts were checked and the results analyzed.

Production:

Interchange of Factory Methods Plan:

As a rule more pumps were produced than estimated in the annual production schedule due to good organization, better pay for the workers, and political propaganda. A big factor in the increase of production was the Interchange of Factory Methods Plan, established by the Ministry of Machine Construction a few years ago, whose activities have been intensified recently. This plan provided for an interchange among the various factories of ideas and programs for study: (Plans could also be initiated by a factory itself and these projects had to be submitted to the Ministry every three months.)

	deliver a Factory-Methods
Plan and observe the KRASNI-EXCEVATOR factory which i	
invention of a lathe operator named SIMINS	KI. This invention increased
the work output of the parallel lathes 400%. It was	a copy machine and the
cutting knives for the metal worked mechanically. S	
called "My Working Experiences" in	
well as others. The plans for the invention were se	nt to the KALININ factory

Factory Security - An engineer was in charge of the Technical Security Service. This man, personally and frequently inspected all factory installations, the machinery and personnel activities. He took care of anything that was out of order. The replacement parts for machines, especially the lathes were sent from the KRASNI PROLETARI.

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Guards were posted at both factory entr	ances and an	other guarded the in	nside 25X1
of the Factory. They were not factory-	nirea guaras nts and iack	ets, no badges or ha	
and work amend with a revolver or nisto	ol. These me	en guarded and contro	olled
it was and making of the workers.	Admittance	to the lactory was	DLOUT-
bited to all persons not properly authorand had to present their factory card.	rized. All	personnel used one	entrance OEVA
entrance. There was a permanent group	of firemen m	ade up of a represe	IIII
of each shop.	these firem	ien were chosen	25/1
they were the choice of the head of the group had only small fire extinguishers	J'l'echnical >	fecurity Service. The so their iob was	h is to
control the fire until the regular fire	e department	could get there.	
	_		
The Factory Newspaper:			
The "KALININESH" Newspaper - a one page Chief Editor, who chose the articles to was a reporter who interviewed and took Communist Party Line was put in all the labor and social topics. It was printed presses of a Communist Youth newspaper.	be published k pictures wi e articles, e ed outside th	i, was nussian. his ithin the factory. especially those dea	The ling with
Personnel and Working Conditions:			
trative and labor forces. The personn the respective jobs and dealt with wag day work week with three shifts — an enoon and night shift. There was a one and a fifteen minute break for the aft take their vacations at any time of ye depending on their rank and the type o	e problems. ight hour model hour lunch ernoon and near and they fework they	rning shift and a 7- period for the morni ight shifts. Worker received from 12 to did.	hour after- ing shift rs could 24 days
An engineer by the name of RUVANOV, a of the factory.			
The Chief Engineer KOLIVANOV of the facal Section VALINSKI were also Commun sonnel Manager and the Partog (Party Sentative or Proforg was a woman calle Gomez. was a Spaniard. The Chief of the BEVMA.	ist Party me ecretary) wa d GROMOVA. he Technical	moers. STILFANOV we as SHOLOS. The union The Casting Engineer	n repre- r, Jose s ANTONOV,
In the Technological Section		there were	e about 25X1
ten people including the Chief Engineer assistants of both sexes. There were Control and Administrative Departments	four or five	gineering and techn	ical
Difficulties:			
Once in a while there wasn't enough rajob could not be finished on schedule. was ahead of the Production Schedule.	w material of the control of the con	on hand, which meant, however, the work	that a output
Production Estimates:			
The factory plans for the future showed the present five-year plan showed a lyvious plan estimate.	ed a constant	t increase in producin production over t	tion. he pre-
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ATTACHMENT #2 to

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ECONOMIC and SOCIOLOGICAL ASPECTS 2.

All types of merchandise and clothing of good quality available in Stalino and food was always plentiful. However, fresh vegetables and fruit were scarce and a black market for farm products flourished. Prices ranged from 5 to 10% above the price set by the government. Prices on all merchandise decreased approximately 5% in 1953 and 1954, but in 1956 they were up to where they were previously and appeared to be exceeding the normal prices.

Stalino was not a cultural cit;	y and lacked educational
institutions. The only school of import	tance was the School of
Mines (Russian name unknown) located on	Armemaskaya Ulitsa
	The eits hearted of only

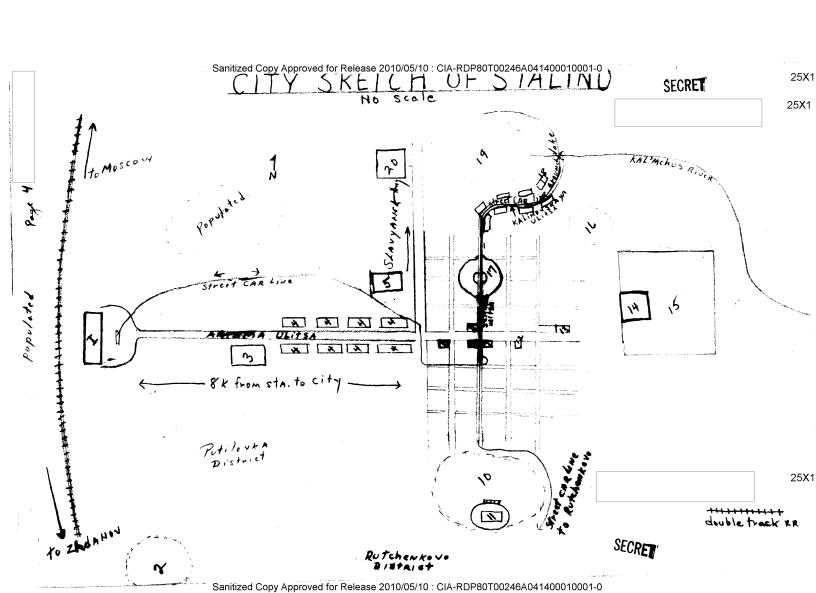
one daily local newspaper, the Sots Donbass (COU AOHBACC). There was only one small church in Stalino and very few practised any religion. People appeared to be content with the government and there were never any manifestations against the government.

There was one large sanitarium and hospital located on the highway to Slavyansk and a clinic located on Armemaskaya Ulitsa.

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19. Lake.20. City Sanitorium or Hospital.

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ATTACHMENT #3 to

GENERAL	-1-
The Leningrad	Engineering Construction Institute (NEHNHIPAACKNÄ
AHMEHEPHO	-СТРОИТЕЛЬНЫЙ ИНСТИТУТ)
Lening y adskiy E	
	was located on EGOROVA ULITSA
ETOPOBA YNUL	(A), Leningrad, and had a student body of approximately
1500 students.	<u> </u>
	The school was divided into the following departments
or faculties:	
	Architecture
	Civil Engineering
	Civil Construction
	Industrial Sanitation (water supply, heating,
The school vear	ventilation) which began in September and ended in late May, was
	o semesters. Semester examinations were administered
	May with a two week vacation in January. Classes were
	eekly, and class subjects were of two-hour duration with
	eak between hours. A stipend of 200 to 500 rubles month-
	for every student. Generally the foreign student
	was paid 500 rubles monthly and did not vary from year
	dormitories were provided and the student was assessed
,	ly for his room. The school did not operate on a
	but late afternoon classes were offered for those em-
oloyed during th	
CURRICULUM	
	nt enrolled in the engineering school followed the same
	the first three years. Courses for the next two years
	course, were assigned on the basis of the students'
specialization.	,

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The following curriculum was offered the first three years:

Fir	st	Ye	ar

Mathematics

Chemistry

Physics

Geodesy

Descriptive Geometry

Physical Culture

Artistic Design

Basis of Marxism

Lineal Design

Second Year

Mathematics

Material Resistance

Physics

Statics

Geodesy

Reinforced Cement

Hydraulics

Wood Construction

Communication System 5

Metal Construction

Physical Culture

Basis of Marxism

Third Year

Mathematics

Road Construction

Bridges

Construction materials

Material Resistance

Hydraulics

Thermodynamics

Static S

Automobile Mechanics

Construction Machines

Construction techniques

Welding

Metallurgy

Physical Culture

There were no Vyssheye Uchebnoye Zavedenije

The professor did not assign any homework, but each subject required more than an hour of home study. The amount of home study was left to the

individual to determine.

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(VUZ) or specialities offered in the Soviet Union

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3.	VUZ E	VALUATION						
		In general	1,		students	considered th	nemselves	
		adequatel	y prepared for	VUZ traini	ing when th	hey applied f	or entry	
		in the eng	gineering scho	ol. They e	valuated .	their VUZ edu	cation as	
		not tough	and the curri	culum offer	ed suffic	ient speciali	zation but	
		not too m	uch. It also	offered 😼	chnical a	nd practical	training.	
		The mater:	ial equipment	of VUZ was	considere	d adequate, a	and the	
		instructo	rs were well i	nformed in	their sub	jects. They	were good	
		teachers,	substantially	well qual	ified and	able to get 1	heir points	
	Г	across to	the students.					25X1
	_							
				A sound a	approach to	o unfamiliar	problems	
		was always	s encouraged b	y VUZ cours	ses to a h	igh degree.		25 X 1
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4•	SCHOO	OL PERSONAL					_	25X1
				e surnames	of the fo	llowing profe	essors in	20711
			eering school:					
			BALYAN (5AJ9	•		•		
			RYNDIN (PHH)					
			OSTANKIN (OCT)			-		
			KOKOVIN (KOKO	-				
]	BORYSOV (50P	61 COB) -	Professor	on Highway	Construction	
		1	rayzer (PAN	3 EP) -	Professor	of Geodesy		
		Ţ	rordanov(Top	4AHOB) -	Professor	of Statics		
		(gorodtsov(fof	A40B) -	Professor	on Tunnel Co	onstruction	
				SECRE	T			25 X 1
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